RRR000258

US DEPARTMENT OF ENERGY:

SUBJECT: GEOLOGY OF YUCCA MOUNTAIN:

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A fault scarp about 6700 ft, above sea level it is a east west ridge with a gentle slope that bendsto merge with Bare Mountain.

The rock structure is composed intirely of ignous rock,in flow beds. Begining with the oldest rholite at the bottom, then latite flows are next in the sequence. Folowing, with a series of Flow Breccias and iter_ bed with Tuff, a volcanic ash. All of the flows seem to origionate in the central part of the ridge. The flows reach a minium of 1000 ft.

Located on Crator Flat, two large and one small cone. Allthree are, volcanic cones, with much extruded basalt. The basalt exibits little eriosion or wethering.

Due to the geology in this report. I could notrecomend a license to operate repository for radioactive waste management at this location.

1. Active Semsmic Zone.
2. Potential damage by water
3. Potential Volcanic Activity.

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